

FILE NOTATIONS

Entered in NID File

✓

Entered On S R Sheet

✓

Location Map Pinned

✓

Card Indexed

✓

I W R for State or Fee Land

Checked by Chief

RFD

Copy NID to Field Office

✓

Approval Letter

✓

Disapproval Letter

COMPLETION DATA:

Date Well Completed

7-16-60

Location Inspected

12-29-60

OW

WW

TA

Bond released

GW

OS

PA

X

State of Fee Land

LOGS FILED

Driller's Log

11-14-60

Electric Logs (No.)

4

E

I

E-I

GR

GR-N

✓

Micro

Lat

✓

Mi-L

✓

Sonic

✓

Others

TENNESSEE GAS TRANSMISSION COMPANY

P. O. BOX 1714

DURANGO, COLORADO

PLEASE ADDRESS YOUR
REPLY TO ATTENTION OF:

R. N. Walker

June 6, 1960

United States Department
of the Interior
Geological Survey
P. O. Box 1809
Durango, Colorado

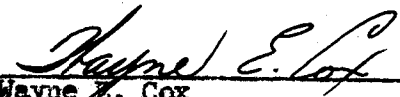
Gentlemen:

Subject: Tennessee Gas Transmission Company
Rolling Mesa Federal Unit #4
Section 27, T40S, R21E,
San Juan County, Utah

Attached are the original and two copies of Form 9-331a,
Notice of Intention to Drill, pertaining to subject well.

Yours very truly,

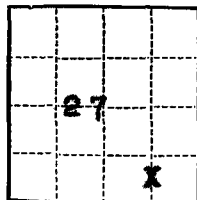
TENNESSEE GAS TRANSMISSION COMPANY


Wayne E. Cox
District Office Supervisor

WEC:ljr

Attachments

cc: Utah Oil and Gas Conservation Commission ✓
310 Newhouse Bldg.
10 Exchange Pl.
Salt Lake City, Utah



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-04822-A
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 6, 19 60

Rolling Mesa Federal

Unit _____
Well No. 4 is located 820 ft. from SW line and 660 ft. from NE line of sec. 27

SE/4 27 40S 21E S1M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

(Field) San Juan Utah
(County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4341 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We propose to drill the above well with rotary tools to a depth of approximately 6400' in the following manner:

1. Drill 12 1/4" hole to 700'.
2. Set 9 5/8" OD 40#, J-55 casing at 700' and cement with sufficient volume to circulate to surface.
3. WOC 24 hrs. and test casing at 750 psi for 30 minutes.
4. Drill 7 7/8" hole to TD with cores and DSTs run in Paradox and mississippian as determined by well site geologist.
5. Run 4 1/2" OD, 9.5#, J-55 ST&C casing to lowest pay zone and cement with sufficient volume to bring top of cement 500' above top of pay.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Tennessee Gas Transmission Company, as Agent for
Humble Oil and Refining Company

Address P.O. Box 1714

Durango, Colorado

By J. J. Lacey
Title District Petroleum Engineer

COMPANY TENNESSEE GAS & OIL COMPANY

Well Name & No. ROLLING MESA FEDERAL UNIT # 4

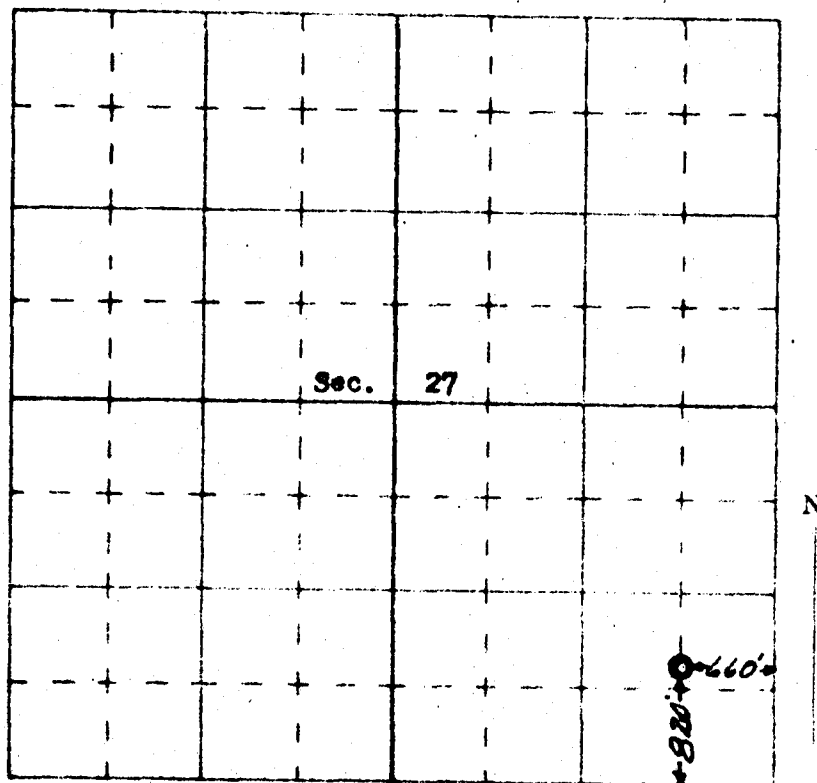
Lease No.

Location 820' FROM THE SOUTH LINE & 660' FROM THE EAST LINE

Being in $N\frac{1}{2}$ SE SE

Sec. 27, T 40 S, R 21 E, S.L.M., San Juan County, Utah

Ground Elevation 4340.7' ungraded ground

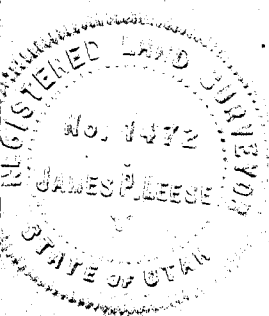


Scale — 4 inches equals 1 mile

Surveyed 3 May

1960

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



James P. Lee

Registered Land Surveyor.

James P. Lee

Utah Reg. No. 1472

SAN JUAN ENGINEERING CO. FARMINGTON, NEW MEXICO

June 9, 1960

Tennessee Gas Transmission Company
P. O. Box 1714
Durango, Colorado

Attention: J. J. Lacey, Dist. Petroleum Eng.

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Rolling Mesa Federal Unit 4, which is to be located 820 feet from the south line and 660 feet from the east line of Section 27, Township 40 South, Range 21 East, SLM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

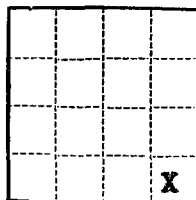
Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE SECRETARY

CBF:awg

cc: Jerry W. Long, Dist. Eng.
U. S. Geological Survey
Durango, Colorado



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-04822-A

Unit Rolling Mesa

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	X
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 8, 1960

Rolling Mesa Federal Unit
Well No. 4 is located 820 ft. from XX line and 660 ft. from E line of sec. 27

SE/4 27 40S 21E S1M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Rolling Mesa Area San Juan County Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~bottom of casing~~ ground level above sea level is 4341 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Rolling Mesa Federal Unit #4 was plugged & abandoned as follows:

Spotted 45 sacks cement at top of Mississippian (6112')
Spotted 45 sacks cement at top of Hermosa (3870')
Spotted 30 sacks cement at top of Chinle (970')
Spotted 5 sacks cement in top of surface casing.
Mud laden fluid between plugs.
Permanent marker was installed and location cleaned.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Tennessee Gas Transmission Company as agent for Humble Oil & Refining Co.

Address P. O. Box 1714

Durango, Colorado

By J. J. Lacey J. J. Lacey

Title District Petroleum Engineer

			X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-04822-A
Unit Rolling Mesa

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 8, 1960

Rolling Mesa Federal Unit
Well No. 4 is located 820 ft. from N line and 660 ft. from E line of sec. 27
SE/4 27 40S 21E S1M
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Rolling Mesa Area San Juan County Utah
(Field) (County or Subdivision) (State or Territory)

ground level

The elevation of the ~~drill floor~~ above sea level is 4341 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 12-1/4" hole 2:30 p.m. 6-7-60.

Set 22 joints 9-5/8" OD, 40#, J-55, casing at 713' with 500 sacks cement.
Circ. cement to surface.

DST #1 - 4809-4915: Tool open 1-1/2 hrs, recovered 110' slightly O&GCM.

DST #2 - 6134-6250: Tool open 1 hr 45 mins, recovered 750' M&GCSW. No show of oil.

Cored following intervals: Core #1 4972-76; Core #2 4976-5000; Core #3 5000-5060; Core #4 5060-5098

Ran Laterlog-Gamma Ray-Neutron, Micro Laterolog, and Sonic log.

P&A 2:00 a.m. 7-16-60.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

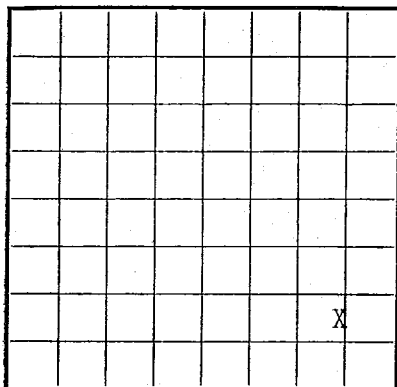
Company Tennessee Gas Transmission Company as agent for Humble Oil & Refining Co.

Address P. O. Box 1714

Durango, Colorado

By J. J. Lacey J. J. Lacey
Title District Petroleum Engineer

U. S. LAND OFFICE Salt Lake City
SERIAL NUMBER U-04822-A
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Tennessee Gas Transmission Co. Address P. O. Box 1714, Durango, Colorado
Lessor or Tract Rolling Mesa Federal Unit Field Rolling Mesa Area State Utah
Well No. 4 Sec. 27 T. 40S R. 21E Meridian SIM County San Juan
Location 320 ft. [N.] of S. Line and 600 ft. [EX] of E. Line of Sec. 27 Elevation 4341.61
[X] (Derriek floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed _____

Date November 3, 1960Title District Petroleum Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling June 7, 1960 Finished drilling July 16, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

None Tested
No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

None Tested
No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>2 5/8</u>	<u>40#</u>	<u>8 RD</u>	<u>CF&I</u>	<u>703</u>	<u>Baker</u>	<u>None</u>			<u>Surface</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9-5/8</u>	<u>713</u>	<u>500</u>	<u>Plug</u>		<u>Circ to surface</u>

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	713	500	Plug		Cire to surface

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 358 feet, and from _____ feet to _____ feet

Cable tools were used from None feet to _____ feet, and from _____ feet to _____ feet

DATES

July 16 _____, 1962 _____ Dry Hole Put to producing _____, 19_____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	11	11	Kelly Bushing to Ground Level
11	800	789	Sand and shale stringers
800	2003	1203	Shale with sand and siltstone stringers
2003	2073	70	Sandstone with shale and siltstone stringers
2073	3870	1797	Shale with sandstone and siltstone stringers & trace limestone
3870	4758	888	Limestone with siltstone and shale stringers
4758	4936	178	Limestone, sandstone and shale
4936	5138	202	Limestone and dolomite, trace shale
5138	5620	482	Salt and anhydrite and dolomite with shale & siltstone stringers
5620	5758	138	Dolomite
5758	6368	610	Limestone, dolomite, shale, trace sandstone
			Electric Log Tops
			Chinle 904
			DeChelly 2003
			Organ Rock 2073
			Hermosa 3870
			Ismay 4758
			Ismay Shale 4922
			Desert Creek 4936
			Akah 5126
			Barker Creek 5412
			Lower Barker Creek 5647
			Molas 5870
			Mississippian 6112

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Spudded 12-1/4" hole 2:30 p.m. 6-7-60. Set 22 joints 9-5/8" 40#, J-55 casing at 713' with 500 sacks cement.

DST #1 - 4809-4915: Tool open 1-1/2 hrs. Recovered 110' slightly O&GCM.

DST #2 - 6134-6250: Tool open 1 hr 45 mins. Recovered 750' M&HCSW. No show of oil.

Ran Laterlog-Gamma Ray-Neutron, Microlaterlog, & Sonic Log.

P&A well 2:00 a.m. 7-16-60 and plugs set as follows:

45 sacks cement at 6112; 45 sacks cement at 3870; 30 sacks at 970; and 5 sacks cement at surface. Set permanent dry hole marker and cleaned location.

END OF HISTORY OF OIL OR GAS WELL

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
Cored Following Sections:			
Core #1 -	4972-76:	Desert Creek;	Recovered 3' lime, no shows.
Core #2 -	4976-5000:	Desert Creek;	Recovered 24' lime and dolomite.
Core #3 -	5000-5060:	Desert Creek;	Recovered 60' lime.
Core #4 -	5060-5098:	Desert Creek;	Recovered 37' lime.

any

TENNESSEE GAS AND OIL COMPANY

DIVISION OF TENNESSEE GAS TRANSMISSION COMPANY

P. O. BOX 1714 • DURANGO, COLORADO



November 10, 1960

C

U. S. Geological Survey
P. O. Box 1809
Durango, Colorado

Gentlemen:

Subject: Tennessee Gas Transmission Company
Rolling Mesa Federal Unit No. 4
Section 27-T4OS-R21E - San Juan County, Utah

O

Attached are the original and two copies of the following forms
pertaining to subject well.

Form 9-331a - Supplementary Well History
Form 9-331a - Subsequent Report of Abandonment
Form 9-330 - Log of Oil or Gas Well

P

Also attached are two copies of the following Electric Logs
pertaining to subject well.

Laterolog Gamma Ray Neutron
Sonic Log
Microlaterolog

Y

Yours very truly,

TENNESSEE GAS TRANSMISSION COMPANY

Original Signed By
L. B. Plumb

L. B. Plumb

LBP/ma

cc: Utah Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City, Utah
w/attachments

December 5, 1960

MEMO FOR FILING

According to Jerry Long, U. S. Geological Survey District Engineer, the following wells have been inspected and found satisfactorily cleaned:

SAN JUAN COUNTY:

[TENNESSEE GAS TRANSMISSION - WELL NO.
ROLLING MESA 4 - S27-T40S-R21E, SLBM

BUFFALO PETROLEUM COMPANY - WELL NO.
HATCH 1 - S21-T38S-R24E, SLBM

MONSANTO CHEMICAL COMPANY - WELL NO.
DALTON 1 - S10-T37S-R25E, SLBM.

Memo Rec'd from Harvey L. Coonts
by co